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09/671,571	09/27/2000	Avery Li-Chun Wang	1800/1	4634

27774 7590 07/08/2004	EXAMINER
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ART UNIT	PAPER NUMBER
2143	

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Please find below and/or attached an Office communication concerning this application or proceeding.

PTO-90C (Rev. 10/03)

	Application No.	Applicant(s)
Office Action Summary	09/671,571	WANG ET AL.
	Examiner	Art Unit
	Azizul Choudhury	2143

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE _3_ MONTH(S) FROM
THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed
  after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
  Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any
  earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on _26 April 2004_.
2a)☐ This action is **FINAL**.   2b)☒ This action is non-final.
3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is
closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) _35-99_ is/are pending in the application.
    4a) Of the above claim(s) _____ is/are withdrawn from consideration.
5)☐ Claim(s) _____ is/are allowed.
6)☒ Claim(s) _35-99_ is/are rejected.
7)☐ Claim(s) _____ is/are objected to.
8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.
10)☒ The drawing(s) filed on _27 September 2000_ is/are: a)☒ accepted or b)☐ objected to by the Examiner.
    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
    a)☐ All b)☐ Some * c)☐ None of:
      1.☐ Certified copies of the priority documents have been received.
      2.☐ Certified copies of the priority documents have been received in Application No. _____.
      3.☐ Copies of the certified copies of the priority documents have been received in this National Stage
        application from the International Bureau (PCT Rule 17.2(a)).
    * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1)☒ Notice of References Cited (PTO-892)
2)☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3)☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
    Paper No(s)/Mail Date _4, 12_.

4)☐ Interview Summary (PTO-413)
    Paper No(s)/Mail Date. _____.
5)☐ Notice of Informal Patent Application (PTO-152)
6)☐ Other: _____.

Detailed Action

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that

form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 35-40, 44, 47-64, 67-86, 88-91, and 95-99 are rejected under 35

U.S.C. 102(e) as being anticipated by Bond ("A Star is Born Nationally Seeking Stellar

CD Sales", 1999 BPI Communications)..

35. With regards to claim 35, Bond teaches a method for providing a transaction to a

user exposed to a media stream, the method comprising the steps of:

a) receiving a signal including a captured sample of media stream from the user;

b) determining from the signal a characteristic of the captured sample; and

c) triggering a predetermined transaction with the user in response to the determined

characteristic.

(Bond discloses a design that allows a user to transmit a song over a telephone and have the sound signals identified by song title and artist name. The design also provides the user with other options such as making purchases (3rd paragraph, Bond)).

36. With regards to claim 36, Bond teaches the method, wherein the predetermined transaction includes sales and purchase of merchandise (Bond discloses a design that allows users to purchase music (3rd paragraph, Bond)).

37. With regards to claims 37 and 53, Bond teaches the method, wherein the predetermined transaction includes an offer for sale of merchandise (Bond discloses a design that allows for the sale of CDs (3rd paragraph, Bond)).

38. With regards to claim 38, Bond teaches the method, wherein the offer for sale of merchandise includes an offer to sell recordings of music (Bond discloses a design that allows for the sale of CDs (3rd paragraph, Bond)).

39. With regards to claim 39, Bond teaches the method, wherein the recording is related to a characteristic of the captured sample (Bond's design allows for the sale of CDs related to the song sample received from the client (2nd-3rd paragraphs, Bond)).

40. With regards to claim 40, Bond teaches the method, wherein the predetermined

transaction includes furnishing and receiving information (The furnishing and receiving

of information inherently must be present within any data transfer design)

44. With regards to claim 44, Bond teaches the method, wherein the predetermined

transaction includes an exchange of information between a sales source and the user

attendant to a sale of merchandise or services to the user (Bond's design allows for the

purchasing of CDs by the customer and hence the claimed trait exists within Bond's

design (3rd paragraph, Bond))

47. With regards to claim 47, Bond teaches a method for identifying music to a user

comprising:

a) receiving a signal including a captured sample of the music from the user;

b) determining from the signal a. characteristic of the captured sample;

c) comparing the characteristic of the captured sample to a characteristic associated

with an identity records contained in a database; and

d) locating an identity record corresponding to the captured sample according to a result

of the comparison

(Bond discloses a design that allows a user to transmit a song over a telephone and

have the sound signals identified by song title and artist name. The design also

provides the user with other options such as making purchases (3rd paragraph, Bond)).

48. With regards to claim 48, Bond teaches the method, wherein the music is received by the user via a radio broadcast and the captured sample includes a sample of the radio broadcast (Bond's design allows for music broadcasted over the radio to be captured and sampled as claimed (2nd-3rd paragraph, Bond)).

49. With regards to claim 49, Bond teaches the method, further including returning the identity record to the user (Bond's design returns the identity of the song, deciphered from the captured sample provided by the user (2nd-3rd paragraphs, Bond)).

50. With regards to claim 50, Bond teaches the method, further including offering to sell to the user a recording including at least a song, which corresponds to the located identity record (Bond discloses a design that allows for the sale of CDs of the song that is related to the captured sample provided by the user (2nd-3rd paragraph, Bond)).

51. With regards to claims 51, 72, 73, 74, 75, 76, 78, 79 and 80, Bond teaches the method, further including offering to provide to the user information relating to the located identity record (Bond discloses a design that provides the user with information regarding the song identified by the design from the captured sample provided by the user (2nd-5th paragraph, Bond)).

52. With regards to claim 52, Bond teaches the method, further including a step of playing a recording of a song corresponding to the located identity record to the user

(Bond's design allows for the playback of the song related to the captured sample provided by the user (2nd-3rd paragraph, Bond)).

54. With regards to claim 54, Bond teaches the method, wherein the merchandise relates to the located identity record (Bond discloses a design that allows for the sale of CDs of the song that is related to the captured sample provided by the user (2nd-3rd paragraph, Bond)).

55. With regards to claim 55, Bond teaches the method, further including offering to sell live performance tickets (Bond discloses a design that allows for the sale of CDs of the song that is related to the captured sample provided by the user (2nd-3rd paragraph, Bond). Since means for selling CDs related to the captured sound exists, means for selling performance tickets must also be present).

56. With regards to claim 56, Bond teaches the method, wherein the live performance tickets relate to the located identity record (Bond discloses a design that allows for the sale of CDs of the song that is related to the captured sample provided by the user (2nd-3rd paragraph, Bond). Since means for selling CDs related to the captured sound exists, means for selling performance tickets must also be present).

57. With regards to claim 57, Bond teaches the method, further including offering to sell record albums to be released at a future time (Bond discloses a design that allows for

the sale of CDs of the song that is related to the captured sample provided by the user (2nd-3rd paragraph, Bond). Bond further states that means for bookmarking songs are present and CDs may be purchased at a later time (5th paragraph, Bond). Hence, means to perform the claimed task are also present within Bond's design).

58. With regards to claim 58, Bond teaches the method, further including offering to provide information pertaining to a location of retail music establishments (Bond discloses a design that allows for the sale of CDs of the song that is related to the captured sample provided by the user (2nd-3rd paragraph, Bond). Since means for selling CDs related to the captured sound exists, means for locating music stores must also be present).

59. With regards to claim 59, Bond teaches the method, wherein the information further includes information pertaining to a location of retail music establishments that are in close proximity to the user (Bond discloses a design that allows for the sale of CDs of the song that is related to the captured sample provided by the user (2nd-3rd paragraph, Bond). Since means for selling CDs related to the captured sound exists, means for locating music stores must also be present).

60. With regards to claim 60, Bond teaches the method, further including downloading media to a user device (Bond discloses that users are allowed to log online to listen to

the song related to the captured sample, hence the songs are downloaded (5th

paragraph, Bond)).

61. With regards to claim 61, Bond teaches the method, wherein the downloaded media

includes a pre-recorded song corresponding to the located identity record (Bond

discloses that users are allowed to log online to listen to the song related to the

captured sample, hence the songs are downloaded (5th paragraph, Bond)).

62. With regards to claim 62, Bond teaches the method, wherein the user device is

selected from the group consisting of PCs, PDAs, internet access devices, wireless

internet devices, mobile telephones, wireless information devices, and pagers (Bond's

design includes the use of mobile phones, landline phone and computers (2nd-5th

paragraphs, Bond)).

63. With regards to claim 63, Bond teaches the method, further including receiving

commands from the user in response to the returned identity record (Bond's design

allows users to charge the cost of purchasing a CD related to the captured sample (3rd

paragraph, Bond). This action is performed after the identity of the song is revealed to

the user and involves the user sending further commands as claimed).

64. With regards to claim 64, Bond teaches the method, further including performing an

additional predetermined step in response to the command (Bond's design allows users

to charge the cost of purchasing a CD related to the captured sample (3rd paragraph, Bond). After the user enters commands for purchasing the CD, the design must perform additional predetermined steps as claimed).

67. With regard to claim 67, Bond teaches the method, wherein the predetermined step includes a collection of data indicative of music popularity (When orders are placed for CDs, it is inherent that the CD (music) will be tallied and hence means for determining music popularity are present).

68. With regards to claim 68, Bond teaches the method, wherein the collected data includes data received from the user (When orders are placed for CDs, it is inherent that the CD (music) will be tallied and hence means for determining music popularity are present).

69. With regards to claim 69, Bond's design teaches the method, wherein the predetermined step includes playing additional songs not associated with the located identity record to the user (Bond's design allows for the user to listen to other songs as well (3rd paragraph, Bond)).

70. With regards to claim 70, Bond teaches the method, wherein the predetermined step includes locating one or more music performance artists matching a predetermined criterion (Bond's design allows for the playback of the song related to the captured

sample provided by the user (2nd-3rd paragraph, Bond). Since means are present for locating such songs, means must be present by which to locate songs based on a predetermined criterion as claimed).

71. With regards to claim 71, Bond teaches the method, wherein the criterion includes similarity of the one or more music performance artists to an artist associated with the located identity record (Bond's design allows for the playback of the song related to the captured sample provided by the user (2nd-3rd paragraph, Bond). Since means are present for locating such songs, means must be present by which to locate songs based on a predetermined criterion as claimed).

77. With regards to claim 77, Bond teaches the method, wherein the information is delivered in an SMS format (Bond's design works with mobile phones, hence it is inherent that is able to function with SMS formats).

81. With regards to claim 81, Bond teaches the method, further including storing the captured sample device (Bond discloses that users are allowed to log online to listen to the song related to the captured sample, hence the songs are downloaded (5th paragraph, Bond)).

82. With regards to claim 82, Bond teaches the method, wherein the predetermined step includes delivering an excerpt of a recording of a song corresponding to the

located identity record device (Bond discloses that users are allowed to log online to listen to the song related to the captured sample, hence the songs are downloaded (5th paragraph, Bond)).

83. With regards to claim 83, Bond teaches the method, wherein the excerpt is delivered to the user (Bond's design allows for the playback of the song related to the captured sample provided by the user (2nd-3rd paragraph, Bond)).

84. With regards to claim 84, Bond teaches the method, wherein the excerpt is delivered to a third party (Bond's design allows for the playback of the song related to the captured sample provided by the user (2nd-3rd paragraph, Bond)).

85. With regards to claim 85, Bond teaches a method for identifying music to a user exposed to a broadcast that includes unidentified music, the method comprising:

a) receiving a signal including a captured sample of the broadcast from the user;

b) determining from the signal a characteristic of the captured sample;

c) comparing the characteristic of the captured sample to a characteristic associated with an identity record contained in a database;

d) attempting to locate an identity record corresponding to the captured sample according to a result of the comparison; and

e) storing the captured sample if the location attempt is unsuccessful.

(Bond discloses a design that allows a user to transmit a song over a telephone and have the sound signals identified by song title and artist name. The design also provides the user with other options such as making purchases (3rd paragraph, Bond). Should identification be unsuccessful, it is inherent that the sample will be saved as claimed).

86. With regards to claim 86, Bond teaches the method, further including delivering the captured sample to remote locations (Bond's design allows for the playback of the song related to the captured sample provided by the user (2nd-3rd paragraph, Bond). One such medium used by the user for playback is the mobile phone which, is a remote location as claimed).

88. With regards to claim 88, Bond teaches a method for identifying music to a user exposed to a broadcast, which includes unidentified music, the method comprising the steps of:

a) receiving a signal including a captured sample of the broadcast from the user;

b) determining from the signal a characteristic of the captured sample;

c) comparing the characteristic of the captured sample to a characteristic associated with an identity record contained in a database;

d) attempting to locate an identity record corresponding to the captured sample according to a result of the comparison; and

e) providing an interactive interface for the user to store manipulate data associated

with a successfully located identity record

(Bond discloses a design that allows a user to transmit a song over a telephone and

have the sound signals identified by song title and artist name. The design also

provides the user with other options such as making purchases (3rd paragraph, Bond)).

89. With regards to claim 89, Bond teaches the method, wherein the interface is

selected from the group consisting of real-time interfaces, offline interfaces, and

combinations thereof (It is inherent that a variety of interfaces are present within a

design that requires a user interface through mobile phones. Mobile phone interfaces

vary, and hence the types of interfaces used must also vary).

90. With regards to claim 90, Bond teaches the method, wherein the offline interface is

selected from the group consisting of internet browsers, email, SMS messaging and

combinations thereof (It is inherent that a variety of interfaces are present within a

design that requires a user interface through mobile phones. Mobile phone interfaces

vary, and hence the types of interfaces used must also vary. The claimed interfaces are

available within mobile phones).

91. With regards to claim 91, Bond teaches the method, wherein the interface is

arranged to allow the user to store, retrieve and forward the data (Bond's design

involves the sending and retrieval of information. Hence it is inherent that mobile

phones (which also send and receive information) are arranged to store, retrieve and

forward data as claimed).

95. With regards to claim 95, Bond teaches the method, wherein the interface is

arranged to allow the user to forward data to a website (Bond's design allows for the

user to forward data through a website (5th paragraph, Bond)).

96. With regards to claim 96, Bond teaches the method, wherein the website is

configured to provide personalized radio station services to the user (Bond's design

allows users to listen to songs online (5th paragraph, Bond) hence, users are able to

listen to a personalized radio station).

97. With regards to claim 97, Bond teaches an apparatus for identifying music to a user

exposed to a broadcast that includes music unidentified to the user comprising;

a) a receiver arranged to receive a signal including a captured sample of the broadcast

from the user;

b) a signal analyzer for determining from the signal a characteristic of the captured

sample;

c) a database containing a library of identity records; and

d) a comparator that compares tie determined characteristic to characteristics

associated with identity records contained in the database for locating an identity record

that matches the captured sample

(Bond discloses a design that allows a user to transmit a song over a telephone and have the sound signals identified by song title and artist name. The design also provides the user with other options such as making purchases (3rd paragraph, Bond). Hence, means such as those claimed must be present within Bond's design).

98. With regards to claim 98, Bond teaches the apparatus, further including a transmitter for transmitting information related to the located identity record to the user (Bond's design uses mobile phones, transmitters are used as claimed in mobile phone systems).

99. With regards to claim 99, Bond teaches the apparatus, further including an interactive voice response unit (Bond's design uses mobile phones, which are voice response units).

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 41-43, 45, 46, 65, 66, 87 and 92-94 are rejected under 35 U.S.C. 103(a)

as being unpatentable over Bond ("A Star is Born Nationally Seeking Stellar CD Sales",

1999 BPI Communications) in view of Arent (US Pat No: US006018724A).

41. With regards to claims 41 and 93, Bond teaches through Arent, the method, wherein

the predetermined transaction includes delivery of advertising or promotional offers

(Bond teaches a design allowing radio listeners to identify and purchase music they

hear over a radio broadcast. However, Bond's design fails to teach advertising or

promotional offers.

Arent teaches a design for online retail. Arent's design allows for discounts and

promotions (column 17, line 48 – column 18, line 7, Arent).

While Bond's design allows for music to be purchased online, it does not teach

online retail. Arent's design does disclose details concerning online retail stores.

Therefore, it would have been obvious, to one skilled in the art, during the time of the

invention, to have combined the teachings of Arent with those of Bond, to provide a

method and apparatus for authenticating data related to on-line transactions (column 2,

lines 40-43, Arent)).

42. With regards to claim 42, Bond teaches through Arent, the method, wherein the

promotional offers include trial offers

(Bond teaches a design allowing radio listeners to identify and purchase music they hear over a radio broadcast. However, Bond's design fails to teach the offering of trial offers.

Arent teaches a design for online retail. Arent's design allows for discounts and promotions (column 17, line 48 – column 18, line 7, Arent). This includes trial offers.

While Bond's design allows for music to be purchased online, it does not teach online retail. Arent's design does disclose details concerning online retail stores. Therefore, it would have been obvious, to one skilled in the art, during the time of the invention, to have combined the teachings of Arent with those of Bond, to provide a method and apparatus for authenticating data related to on-line transactions (column 2, lines 40-43, Arent)).

43. With regards to claim 43, Bond teaches through Arent, the method, wherein the promotional offers include offers to sell merchandise or services at discounted prices

(Bond teaches a design allowing radio listeners to identify and purchase music they hear over a radio broadcast. However, Bond's design fails to teach the offering of discount pricing.

Arent teaches a design for online retail. Arent's design allows for discounts and promotions (column 17, line 48 – column 18, line 7, Arent).

While Bond's design allows for music to be purchased online, it does not teach online retail. Arent's design does disclose details concerning online retail stores. Therefore, it would have been obvious, to one skilled in the art, during the time of the

invention, to have combined the teachings of Arent with those of Bond, to provide a

method and apparatus for authenticating data related to on-line transactions (column 2,

lines 40-43, Arent)).

45. With regards to claim 45, Bond teaches through Arent, the method, wherein the

offer is selected in response to a profile of the user

    (Bond teaches a design allowing radio listeners to identify and purchase music they

hear over a radio broadcast. However, Bond's design fails to teach the storing of user

profiles.

    Arent teaches a design for online retail. Arent's design allows for personal profile

information to be stored (column 11, lines 27-65, Arent).

    While Bond's design allows for music to be purchased online, it does not teach

online retail. Arent's design does disclose details concerning online retail stores.

Therefore, it would have been obvious, to one skilled in the art, during the time of the

invention, to have combined the teachings of Arent with those of Bond, to provide a

method and apparatus for authenticating data related to on-line transactions (column 2,

lines 40-43, Arent)).

46. With regards to claim 46, Bond teaches through Arent the method, wherein the offer

is selected in response to history of transactions completed with the user

(Bond teaches a design allowing radio listeners to identify and purchase music they hear over a radio broadcast. However, Bond's design fails to teach the usage of stored user profiles.

Arent teaches a design for online retail. Arent's design allows for personal profile information to be stored (column 11, lines 27-65, Arent) and then later to be used.

While Bond's design allows for music to be purchased online, it does not teach online retail. Arent's design does disclose details concerning online retail stores. Therefore, it would have been obvious, to one skilled in the art, during the time of the invention, to have combined the teachings of Arent with those of Bond, to provide a method and apparatus for authenticating data related to on-line transactions (column 2, lines 40-43, Arent)).

65. With regards to claims 65 and 92, Bond teaches through Arent, the method, wherein the predetermined step includes delivering a message to a third party

(Bond teaches a design allowing radio listeners to identify and purchase music they hear over a radio broadcast. However, Bond's design fails to teach the delivering of messages.

Arent teaches a design for online retail. Arent's design allows for feedback messages to be sent (column 12, lines 45-57, Arent).

While Bond's design allows for music to be purchased online, it does not teach online retail. Arent's design does disclose details concerning online retail stores. Therefore, it would have been obvious, to one skilled in the art, during the time of the

invention, to have combined the teachings of Arent with those of Bond, to provide a

method and apparatus for authenticating data related to on-line transactions (column 2,

lines 40-43, Arent)).

66. With regards to claim 66, Bond teaches through Arent, the method, wherein the

message includes a recommendation of music corresponding to the located identity

record

(Bond teaches a design allowing radio listeners to identify and purchase music they

hear over a radio broadcast. However, Bond's design fails to teach the delivering of

messages with recommendations.

Arent teaches a design for online retail. Arent's design allows for feedback

messages to be sent (column 12, lines 45-57, Arent).

While Bond's design allows for music to be purchased online, it does not teach

online retail. Arent's design does disclose details concerning online retail stores.

Therefore, it would have been obvious, to one skilled in the art, during the time of the

invention, to have combined the teachings of Arent with those of Bond, to provide a

method and apparatus for authenticating data related to on-line transactions (column 2,

lines 40-43, Arent)).

87. With regards to claims 87 and 94, Bond teaches through Arent, the method wherein

the delivered captured samples are used in games or contests involving attempts to

identify the unidentified music

(Bond teaches a design allowing radio listeners to identify and purchase music they hear over a radio broadcast. However, Bond's design fails to teach the use of games.

Arent teaches a design for online retail. Arent's design allows for the use of games online (column 13, lines 27-53, Arent).

While Bond's design allows for music to be purchased online, it does not teach online retail. Arent's design does disclose details concerning online retail stores. Therefore, it would have been obvious, to one skilled in the art, during the time of the invention, to have combined the teachings of Arent with those of Bond, to provide a method and apparatus for authenticating data related to on-line transactions (column 2, lines 40-43, Arent)).

Remarks

After careful review of the application, the examiner failed to note any truly unique traits within the design claimed. The claims provided are seen as being general and would benefit from the inclusion of more detailed specifications. In addition, the claims presented conflict largely with the design by StarCD as presented in the article by Paul Bond. Should the applicants have any further details regarding their design that would present their design as being truly unique over the prior art provided by the examiner, they are encouraged to amend the specifications and claims to reflect such changes.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Azizul Choudhury whose telephone number is 703-305-7209. The examiner can normally be reached on M-F.
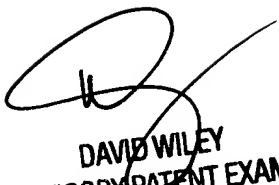
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Wiley can be reached on 703-308-5221. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

AC

DAVID WILEY
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100